## WHAT IS CLAIMED IS:

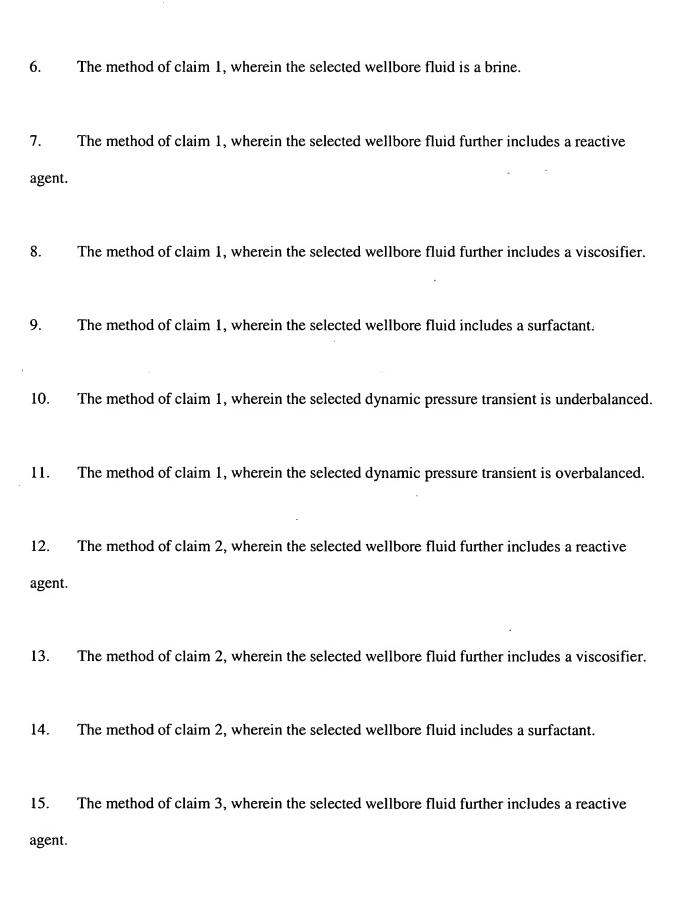
- A method of controlling a dynamic pressure transient during a perforation operation comprising the steps of:
  - determining the characteristics of a formation to be perforated;
  - selecting a dynamic pressure transient profile based on the formation characteristics that

facilitates creating fluid communication between a wellbore and the formation;

selecting a perforating tool having characteristics to achieve the desired fluid

communication between the wellbore and the formation;

- selecting a wellbore fluid based on the formation characteristics and selected perforating tool characteristics to substantially acquire the selected dynamic pressure transient profile selected; and
- performing a perforation operation based on the selected perforating tool and wellbore fluid.
- 2. The method of claim 1, wherein the selected wellbore fluid is a substantially incompressible fluid.
- 3. The method of claim 1, wherein the selected wellbore fluid is a compressible fluid.
- 4. The method of claim 1, wherein the selected wellbore fluid is a foam.
- 5. The method of claim 1, wherein the selected wellbore fluid is water.



- 16. The method of claim 3, wherein the selected wellbore fluid further includes a viscosifier.
- 17. The method of claim 3, wherein the selected wellbore fluid includes a surfactant.
- 18. A method of controlling a dynamic pressure transient during a perforation operation comprising the steps of:
  - filling at least a portion of the wellbore with a wellbore fluid selected for controlling a dynamic pressure transient upon and after detonation of the perforating tool; and perforating a wellbore by detonating a perforating tool.
- 19. The method of claim 18, wherein the selected wellbore fluid is a substantially incompressible fluid.
- 20. The method of claim 18, wherein the selected wellbore fluid is a compressible fluid.